

FIG. 1

ULTRAVIOLET TRANSMITTANCE OF EACH COATING FILM

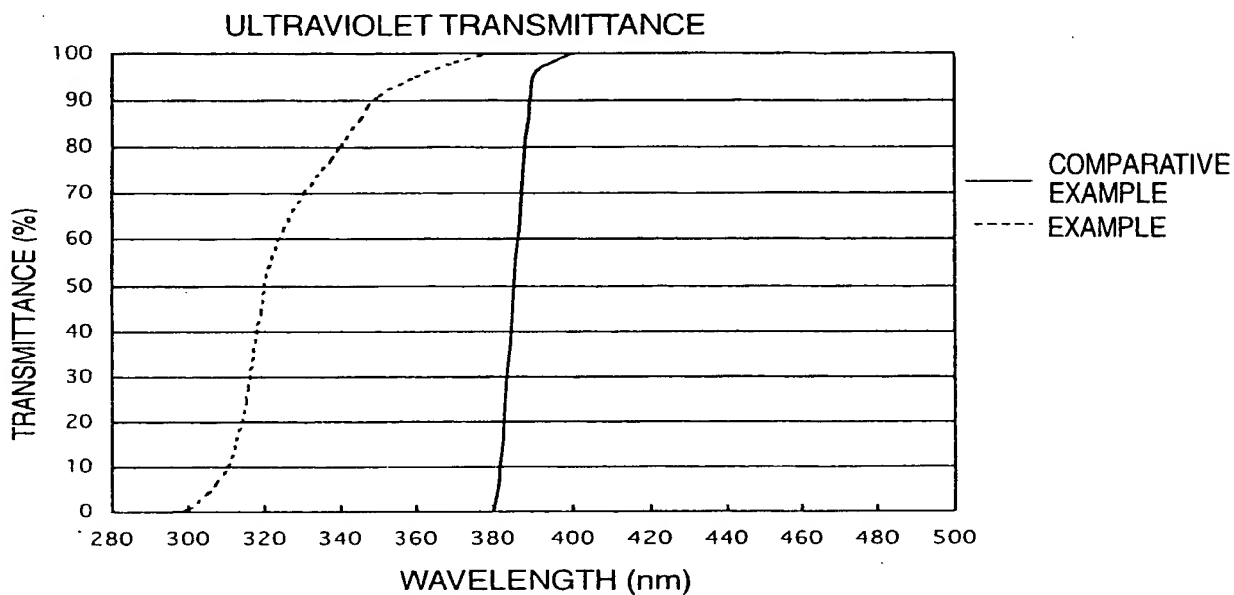


FIG. 2

ABSORPTION SPECTRUM OF FUNCTIONAL GROUP RESIDUE
HAVING ULTRAVIOLET ABSORBING ABILITY

UV SPECTRUM OF UVA MONOMER AND UVA POLYMER

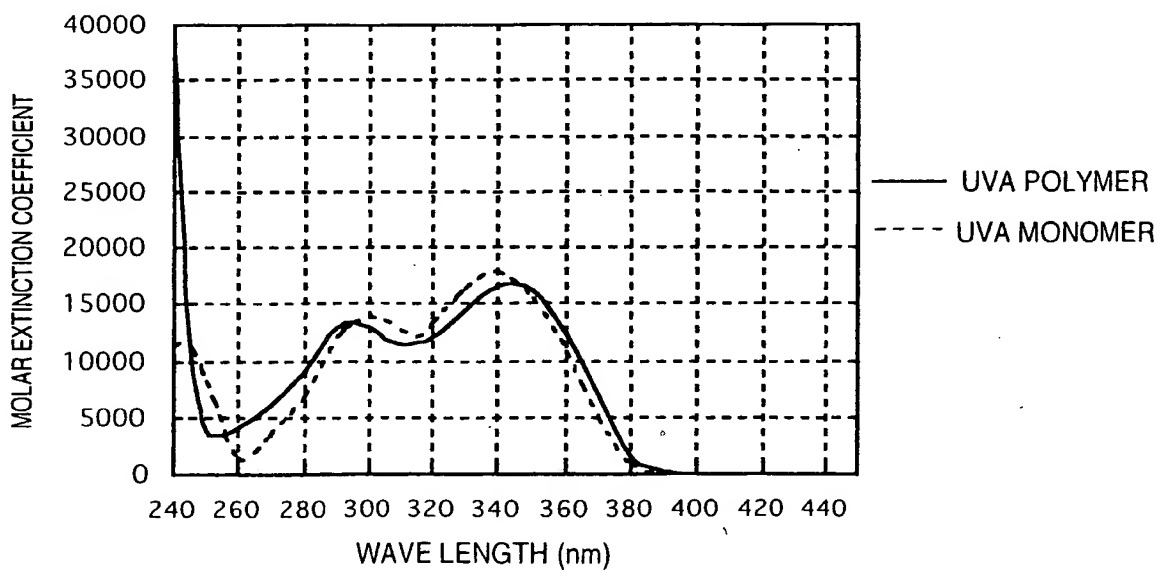
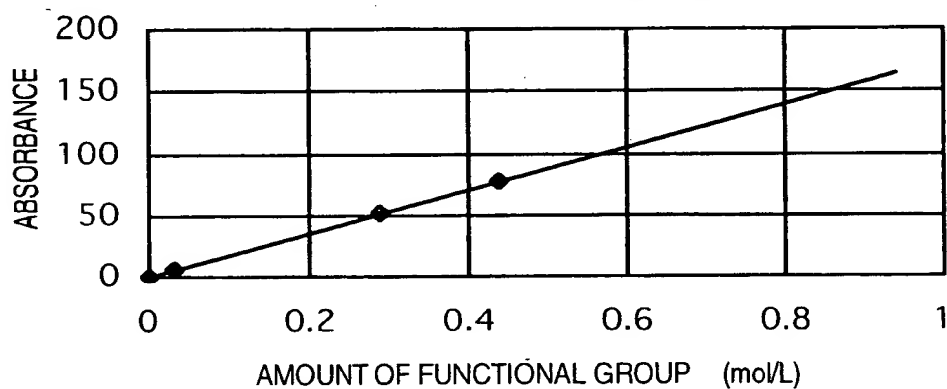


FIG. 3

AMOUNT OF FUNCTIONAL GROUP OF ULTRAVIOLET
ABSORPTIVE COMPOUND VS. ABSORBANCE



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FIG. 4

RELATION BETWEEN ABSORBANCE AND GLOSS RETENTION

ABSORBANCE VS. GLOSS RETENTION AFTER 2500 HR OF ACCELERATION

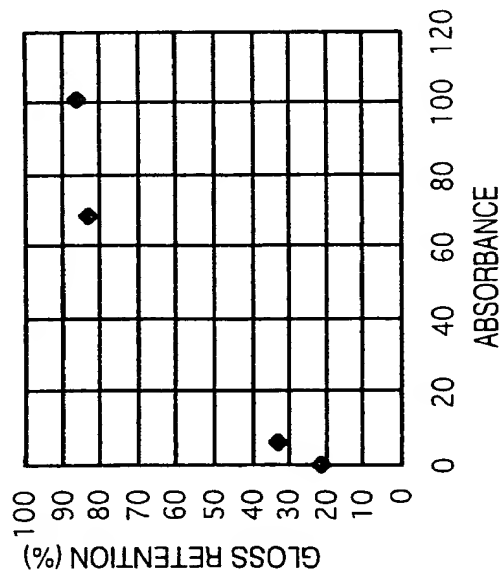


FIG. 5

RELATION BETWEEN FUNCTIONAL GROUP CONCENTRATION AND GLOSS RETENTION

AMOUNT OF FUNCTIONAL GROUP OF ULTRAVIOLET ABSORPTIVE COMPOUND VS. GLOSS RETENTION AFTER 2500HR OF ACCELERATION

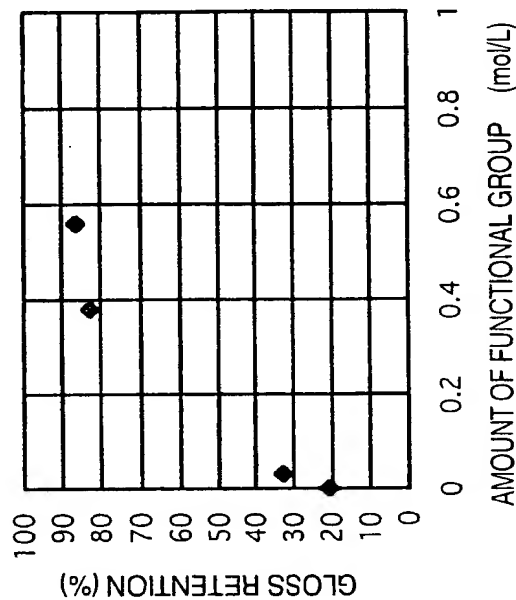


FIG. 6

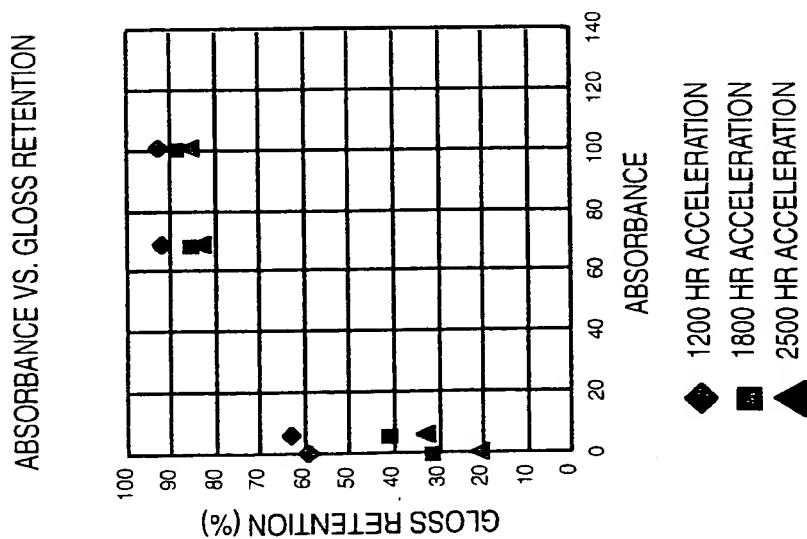


FIG. 7

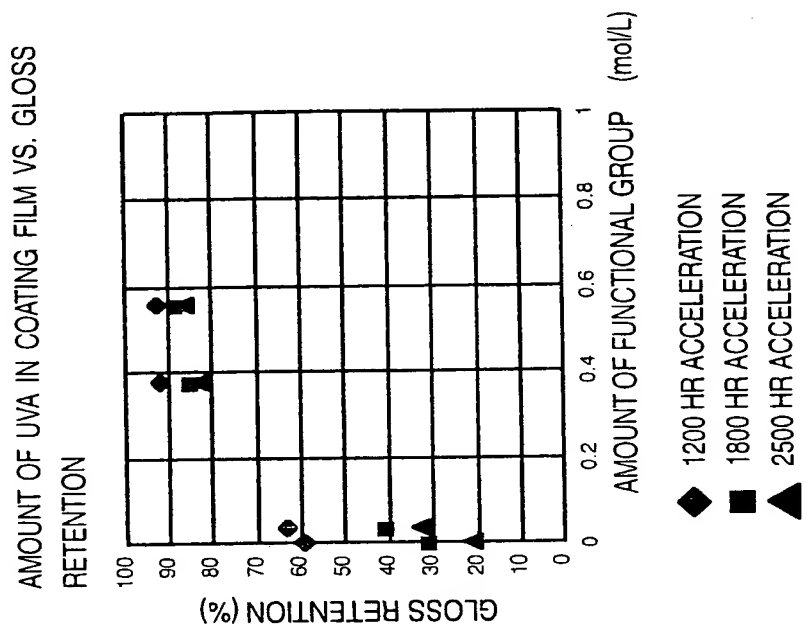
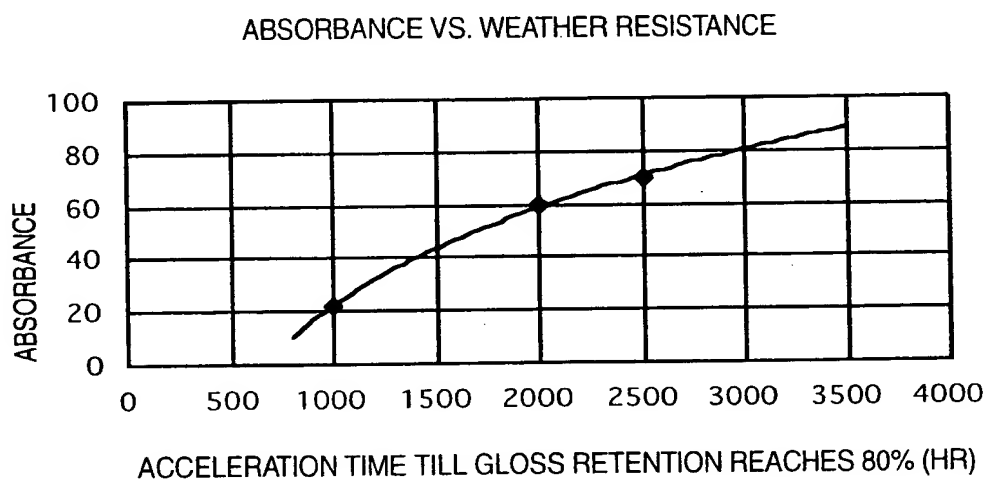
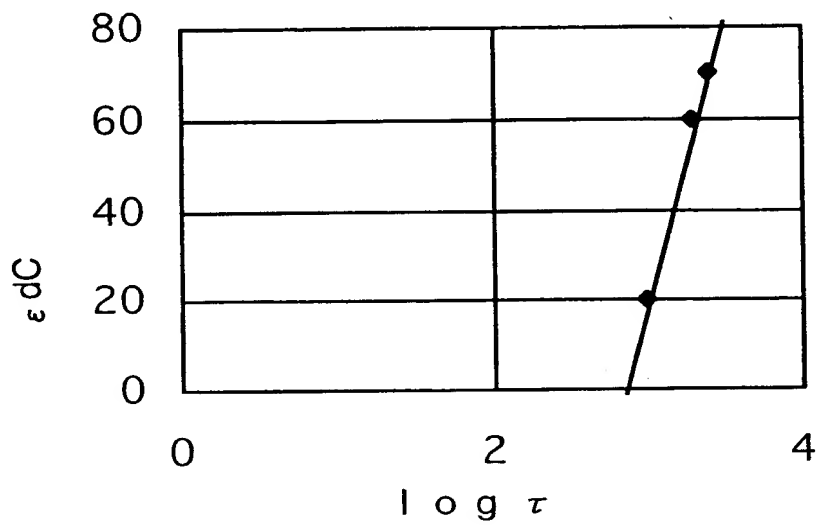


FIG. 8



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FIG. 9

RELATION BETWEEN $\epsilon_{dc} \log \tau$ 

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